Kyle W. Brown

Detroit, MI | (xxx) xxx-xxxx | kylewbrown@duck.com | github.com/kyle-w-brown | linkedin.com/in/kyle-w-brown

TECHNICAL SKILLS

DATA SCIENCE: SQL | Tableau | PostgreSQL | Agile | Scikit-Learn | TensorFlow | Ad Hoc Analysis | HPC
PROGRAMMING LANGUAGE: R | Python | Shiny | MATLAB | Markdown | CSS | HTML | Flask | Git | Scala

EDUCATION

Data Analytics Certification | The Data Incubator | Jan 2022 – May 2022
M.S. Data Science and Business Analytics | College of Engineering, Wayne State University | Aug 2018 – Aug 2020
B.S. Finance | Mike Ilitch School of Business, Wayne State University | Aug 2016 – May 2018

PROFESSIONAL EXPERIENCE

WORLDCAPITAL INTEGRATED SOLUTIONS, LLC.   **Apr 2017 – Present**
Chief Executive Officer

- Professional services consultant coordinating with stakeholders delivering executive dashboards, infrastructure development, data analysis, budgeting, and portfolio management for partners.
- Provided support to a private client in building and streamlining an application of 2TB of data with Postgres for sensor integration into an autonomous vehicle management platform.
- Designed, launched, and supported a political campaign website that seamlessly integrated SEO and Google Analytics that delivered daily updates on new users, event sessions, and click rates.

CHOICE ADVANTAGE MARKETING GROUP   **May 2012 – Apr 2017**
Asset Manager

- Analyze investment opportunities and identify multi-asset strategies related to real estate and commodities.
- Review portfolios monthly, quarterly, and yearly providing diversified recommendations for business leaders.
- Assembled and delivered an analytics report that accompanied a Comparative Market Analysis (CMA) for a group of investors targeting community lots located throughout Detroit.

BELANGER CONSTRUCTION   **Mar 2008 – Jul 2013**
Assistant Superintendent

- Cross-functional manager that drove 20% YoY growth for family-owned business, generating $1.5m annual revenue.
- Engage in all phases of project management from bidding/proposals to project completion.

PROJECTS, PUBLICATIONS, AND AWARDS

DIAMOND PRICE PREDICTION   kyle-w-brown.com/diamonds-prediction
Python-based analysis to determine pricing predictions using the 4 C's. The baseline regression captured 84% prediction accuracy with H20 AutoML and Random Forest increased prediction accuracy to 98% and 99%.

VEHICLE RECOGNITION USING SSD   kyle-w-brown.com/vehicle-recognition-ssd
Implemented a Single Shot Detector (SSD) for vehicle recognition in autonomous vehicles using TensorFlow.

GE VALUATION   kyle-w-brown.com/GE-Valuation
A Discounted Cashflow (DCF), Leverage Buyout (LBO), and Sum of the Parts (SOTP) valuation of GE was performed using Excel accompanied with dynamic financial model, Executive Summary, and industry analysis.

SECOND PLACE - DETROIT HACKATHON 2018   kyle-w-brown.com/A-Friend-in-Need
Designed 'A Friend in Need' app, an Uber to connect crisis intervention dogs to families in immediate need.